Ruslan Makarov

Software Engineer

SUMMARY

- Experienced 20+ years in design and development of enterprise-level applications
- Solid theoretical and practical knowledge of software architecture and design
- Worked as tech lead, CTO, project manager. Deliver products according to clients' expectations
- Proficient in back-end (Java, Node.js, PHP), front-end (ES6, Vue.js), Android development, microservices, bots/botnets (Rest API, Puppeteer) and browser Web Extensions
- Developed software solutions for large US and top Russian IT companies.
- Managed full life cycle of projects from inception to completion.
- Professional, competent, responsible, skilled

EXPERIENCE

MATCHBETS.COM
2019-2022

Lead software engineer

Licensed sports betting website. Conducted business analysis, created the architecture and developed the core of the system (Java, Vue.js, PHP, MySQL/Aurora), integrated it with Sportradar and LSports - providers of odds data (Java, RabbitMQ), and various payment processors. Deployed the system in AWS Cloud utilizing AWS technologies and best practices.

SUREBET SCANNER, BOT AUTOMATION
2018-2019

Software developer

Software system that collects (scrapping) in real-time data from different online sportsbooks and runs surebet (arbitrage) and other strategies to analyze and find most valuable bets. Contains a betting automation bot (Puppeteer) which automatically places bets on selected sportsbooks.
The system runs on Hetzner Cloud, with thousands of concurrent asynchronous threads fetching and analyzing gigabytes of data every minute. Bypasses sportsbooks' anti-bot protection. For searching suitable strategies for value bets Big Data and mathematical modeling methods were utilized.

SKILLS

Languages: Java (20+ years), JavaScript/ES6/Node.js, PHP, Solidity, SQL, HTML/CSS

Paradigms and Technologies: OOD/OOP, J2EE, REST API, UML, Git, CI/CD, SaaS, PWA, UI/UX, Android SDK, Web Services, SOAP, Web3 (Smart contracts)

Databases: Oracle, MySQL, PosgreSQL, Aurora, DynamoDB, NoSQL, Firebase, MongoDB, CouchDB

Frameworks and App Servers: WebLogic, Spring, Vue.js, Laravel, CodeIgniter, Web Extensions

Cloud Platforms: Amazon Web Services, Google Cloud Platform

Design patterns, best practices, coding standards

EDUCATION

MASTER OF SCIENCE IN MATHEMATICS
1993-1998
Moscow State University, Russia

CONTACTS

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github: altrusl
CV: altrusl.github.io/cv/

Pine Automation

2018-2019

Software developer

Developed analyzer for Selenium traffic data for reverse engineering it to business level human actions. The system utilizes Spring Boot, Selenium, WebDriver protocol, WebServices

Semantic information exchange system

2018

Senior software engineer

Developed POC of XML-based information exchange system for Russian Government. Analog of US NIEM system. Utilized Java 2 EE technologies (JPA, Hibernate ORM, JMA), Spring Boot, SOAP, PostgreSQL, REST/HATEOAS

Vanderbilt University (ISIS), TN

2001-2002

Senior software engineer

Worked on DARPA and Boeing funded project - The Network Embedded Systems Technology (NEST), dealing with middleware services and novel applications of Wireless Sensor Networks (WSN)

Carsdirect.com, Los Angeles, CA

2000-2001

Software developer

Development of car selling website

AFK Sistema, Russia

2002-2004

Software architect

Developed architecture and design of custom business process management software (Java, Oracle)

Intessera Inc., Russia

1998-2000

Software developer

Development of document management system (Java, Oracle)

CERTIFICATIONS

- AWA Certified Solutions Architect – Associate (2021)

- Sun Certified Java developer (2002)

HOBBIES

- Participate in open source projects and write well received technical articles for the major IT web-portals

Top rated (100% JSS) developer on Upwork